SIEMENS

ARCADIS

SP

Software

System

Software Installation

Valid for:
ARCADIS Varic
ARCADIS Orbic
ARCADIS Orbic 3D

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The information given here is valid for all chapters.

NOTE

- **Activities to be performed are labeled with a bullet point.**
  - **Indented text under the activity to be performed contains general information.**
    - ➪ **Results and events are labeled with an arrow in front of the indented text.**

NOTE

Once the "Save" button has been selected in the individual screens, the message "..... successfully saved" appears following a successful save.

- **Select "OK".**

Reboot, Restart and Shutdown

NOTE

To activate changes in the system, a "shutdown" must generally be performed, i.e., the complete system must be switched off and switched back on again.

A “shutdown” must always be performed when configuration is complete.

If one of the following messages appears, proceed as described in the note.

NOTE

Restart

Reboot

- **If one of the above windows is displayed, click "OK".**

Reboot

- **If this window is displayed, click on "OK".**
- **Click on "Home".**

Network

NOTE

The system has to be physically disconnected from the network (LAN) during installation until a computer name and a valid IP address have been assigned.

The system can be subsequently reconnected.

NOTE

Before starting the software installation, be sure that all archiving, filming, copying and networking jobs have been completed and cleared from the respective queues.

ARCADIS Varic

Imaging system software and hardware VB10C

Firmware	Material no.	Version
Imaging system ARCADIS Varic CD kit	80 79 654	VB10C
BIOS CD	83 80 474	VB00E
Main system	80 79 316	VC00G
Test images	80 79 670	VA00A
Backup CD	80 79 696	n.a.

Hardware	Material no.
Imaging system PC	83 80 409

Imaging system software and hardware VB11A

Firmware	Material no.	Version
Imaging system ARCADIS Varic CD kit	80 81 312	VB11A
BIOS CD	83 80 474	VB00E
Main system	80 81 320	VC01D
Test images	80 81 346	VA00B
Backup CD	80 79 696	n.a.

Hardware	Material no.
Imaging system PC	83 80 409

Required documents

Name	Print number
Password list, SP division	n.a.
Installation of Siemens Remote Services	SP00-000.816.02.xx
ARCADIS Varic/Orbic Configuration Guide	SPR2-320.843.02.xx
Troubleshooting Guide ARCADIS	SPR2-310.840.01.xx
ARCADIS Varic/Orbic Paper Printer Installation	SPR2-310.814.03.xx

Installation prerequisites

General

Monitors

- Make sure that both monitors are connected to the imaging system PC.
- Make sure that both monitors are switched on (main switch on monitor).
  - No voltage is present.

Local printer (if applicable)

- The Codonics printer can remain connected.
- Disconnect the Sony printer of the imaging system.
  - The printer driver for this printer is subsequently installed.

USB

- Make sure that no USB memory stick is connected to the imaging system PC.
  - This would result in failure to detect the drive.

Network

NOTE

The system has to be physically disconnected from the network (LAN) during installation until a computer name and a valid IP address have been assigned.

The system can be subsequently reconnected.

NOTE

Before starting the software installation, be sure that all archiving, filming, copying and networking jobs have been completed and cleared from the respective queues.

Attenuator

NOTE

This applies to all systems with serial numbers 10001 to 10039 when the imaging system PC has been replaced.

Fig. 1: Attenuator

- When replacing the imaging system PC, please note that the attenuator (see graphic) is already integrated in the PC and has to be removed (version 03 and higher).

Entering and saving data

Service key

- Record the service key .....
  - It can be found, for instance, in the system binder.

BIOS password

- Record the BIOS password .....
  - This is listed in the knowledge base password list

Computer name

- Record the computer name.....
  - It can be found in the service software under Configuration/Local host/TCP IP LAN/Computer name.

Administrator password

- Assign and record the administrator password .....
  - The password is assigned in the service software under Configuration/Local host/Users.

Static route

- Read out and record the static route for SRS (Siemens Remote Service), if available.
  - Use the following read-out command: Enter "route print" in the service menu under Utilities/Escape to OS.

    Follow the instructions in the "Installation of Siemens Remote Services" document.

  .....

Backup

- Perform a backup as described in the "Backup & Restore" chapter of this document.

Exam set

- Open the service software

- Click "Reports"
- Click "Exam sets" under "Remote diagnostics"
  - ➪ This generates the examination set configuration report
- Click "Exit"

Burning log files to CD

- Insert a blank CD
- Select "Event log"
- In the upper command line, click on "Burn log files"
  - ➪ This generates the log files
  - ➪ This saves all files located in the extract folder on CD-ROM.
- Remove the CD from the CD-ROM drive and label it.

Installation start

BIOS CD

NOTE	**Under no circumstances may the system be switched off during BIOS installation. If the system is switched off, follow the instructions below:**

Procedure in case the BIOS installation is aborted

- Press the “Reset” key on the monitor carriage using a pin-shaped object.
  - See picture below.

Fig. 2: BIOS reset key

- Switch the system back on using the main switch on the monitor carriage.
- Switch on the imaging system PC using the power button on the front side of the PC.
- Continue with “BIOS installation start”.

BIOS CD installation

BIOS installation start

NOTE

Perform each of the following tasks precisely as described, otherwise errors will result in the installation.

- Restart the system.
- As soon as text is displayed on the monitor, press the “F2” key on the keyboard.
  - The BIOS menu is displayed.
- Enter the BIOS password.
  - This password can be found in the password list of the knowledge base.
- Press the “Enter” key.
- Press the “F9” key on the keyboard.
  - This activates the BIOS default values.
    - ➪ The following is displayed:
      Setup confirmation
      Load default configuration now?
- Ensure that “Yes” is selected.
- Press the “Enter” key.
- Press the “Escape” key on the keyboard.
  - ➪ The following is displayed:
    Save changes & exit
    Discard changes & exit
    Get default values
    Load previous values
- Select “Save changes & exit”.
- Press the “Enter” key.
  - ➪ The following is displayed:
    Setup confirmation
    Save configuration changes and exit now?
- Open the CD-ROM drive of the PC.
- Insert the “BIOS update” CD.
- Close the CD-ROM drive.
- Make sure that “Yes” is selected in the setup configuration dialog.
- Press the “Enter” key.
  - ➪ The imaging system PC restarts.
  - ➪ The imaging system PC boots from the CD.
  - ➪ The latest BIOS version is installed.

Error-free installation

- Make sure that the following text is displayed:

  ➪ BIOS installation done - System ready for software installation.
  Please remove BIOS CD.
  Please turn off power or reset system.

NOTE	**If the above text is displayed, the BIOS was correctly installed.**

- Remove the "BIOS Update CD".
- Continue with "Installation CD No. 1".

Defective installation

- The following text is displayed: Begin again from 'Start the BIOS installation' since no imaging system software installation can be performed.

  ➪ BIOS installation done - HIPAA installed.
  Please remove BIOS CD.
  Please turn off power or reset system.

NOTE	**If the above text is displayed, the BIOS installation was defective.**

- Start again with "Start the BIOS Installation".

Installation CD 1

- Insert imaging system installation CD 1.
- Close the CD-ROM drive.
- Do not turn off the system.
- Perform a warm start by pressing [CTRL] + [Alt] + [DEL].

  ➪ The PC boots from the CD-ROM.

  ➪ Information is displayed on the monitor.

  ➪ The PC makes sounds.

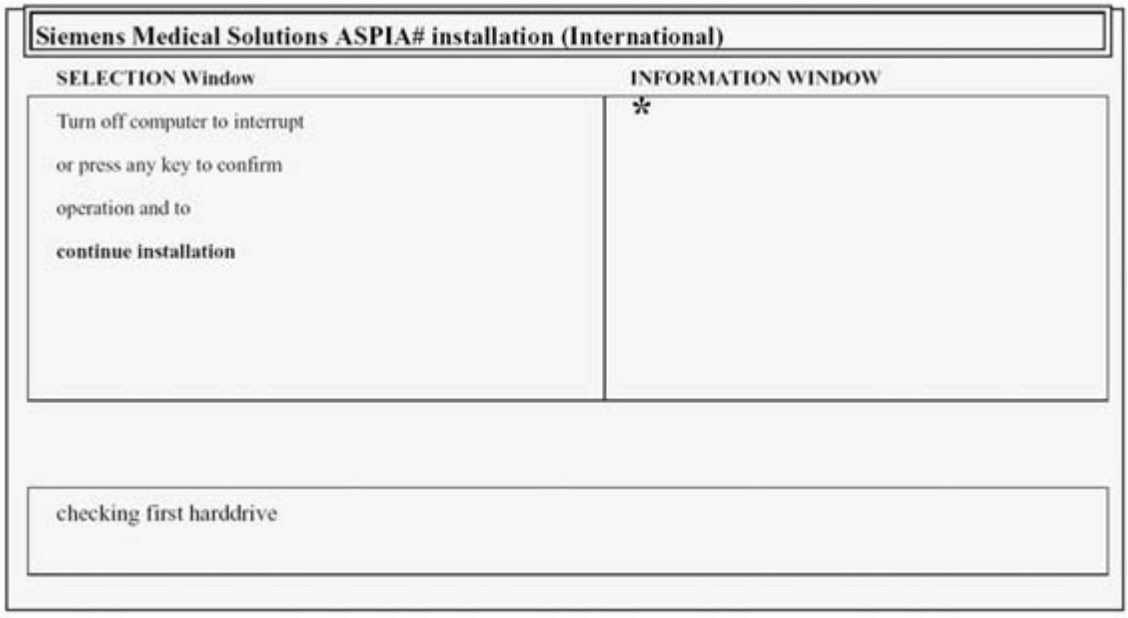

Fig. 3:

- Press the “Enter” key.
  - ➪ The PC starts automatically; information is displayed on the monitor.
- Wait until the following image is displayed.

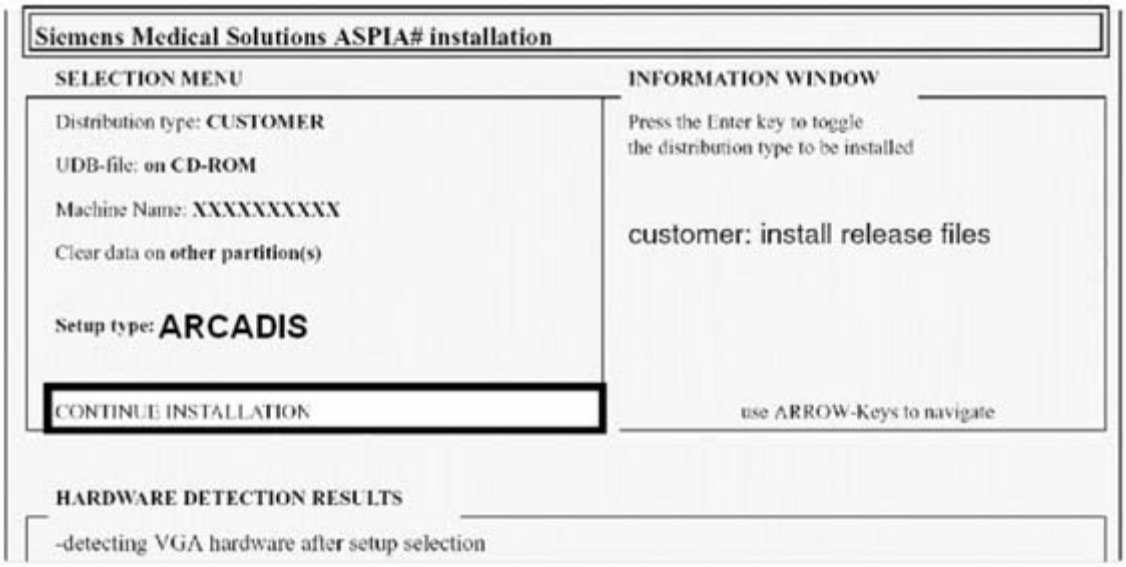

Fig. 4: Selection 2

- If you are unable to select "Machine Name", start again from "Start the BIOS Installation".
- Using the arrow keys, select "Machine name".
- Press "Enter".

- Enter the previously read out computer name under “Machine name”.
  - The name has to be identical to the name entered in the configuration under “Local host/TCP IP LAN/Computer name”.
  - If a computer name could not be read out or located in the system documentation, a name must be entered as follows:

  - If the system is part of a network:
    The “computer name” is provided by the responsible network administrator.

  - If the system is not part of a network:
    Enter the following name:
    For ARCADIS Varic, ARCADISVA12345
    For ARCADIS Orbic, ARCADISOR12345
    (Enter the system serial number for 12345).

NOTE

If the same name is not entered under “Machine name” as the “Machine name” for a previously created backup, the “Computer name” section in the "Restore" chapter must be adhered to during a restore operation.

- Press "Enter".
- Using the arrow keys, select "CONTINUE INSTALLATION".
- Press the "Enter" key.
  ➪ The message "Press any key to continue" is displayed.
- Press "Enter".
  - The installation files are prepared.
  - The following mask is displayed on screen:

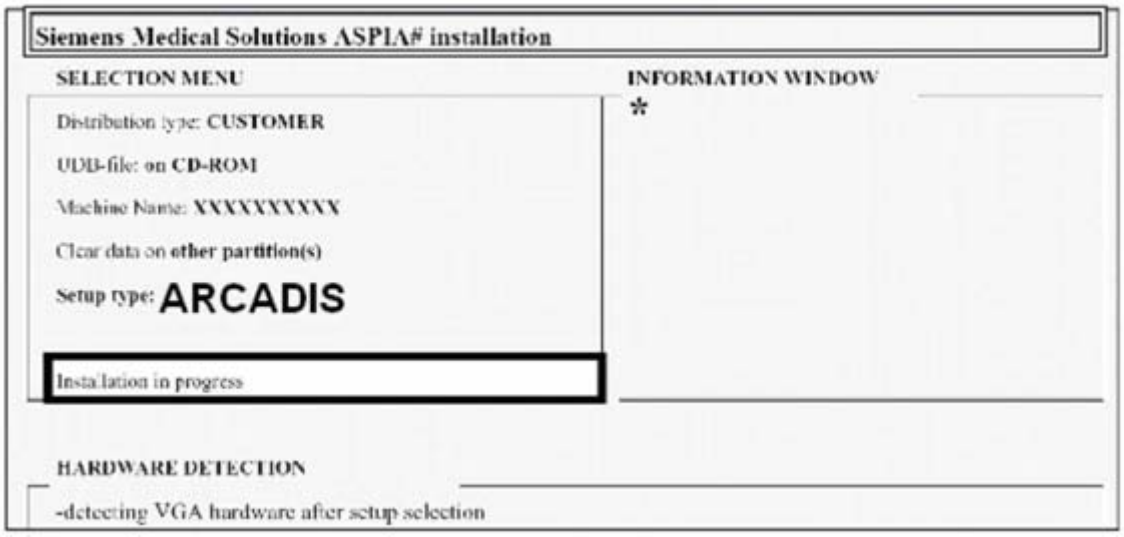

Fig. 5: Selection 3

* Information is displayed.

➪ The CD-ROM drive opens after approx. 10 minutes.

➪ The following message is displayed: “Replace the ejected CD1 of the aspia installation CD set with the BIOS CD and close the CD-ROM drive again. This is necessary to start the BIOS update automatically from CD during the next reboot.”

- Remove "CD1" from the CD-ROM drive.
- Insert the "BIOS update CD" into the CD-ROM drive again.
  - This changes the boot sequence, for example.
- Close the CD-ROM drive.
- Press "Enter".
  - The "Windows XP Professional setup" mask is displayed.

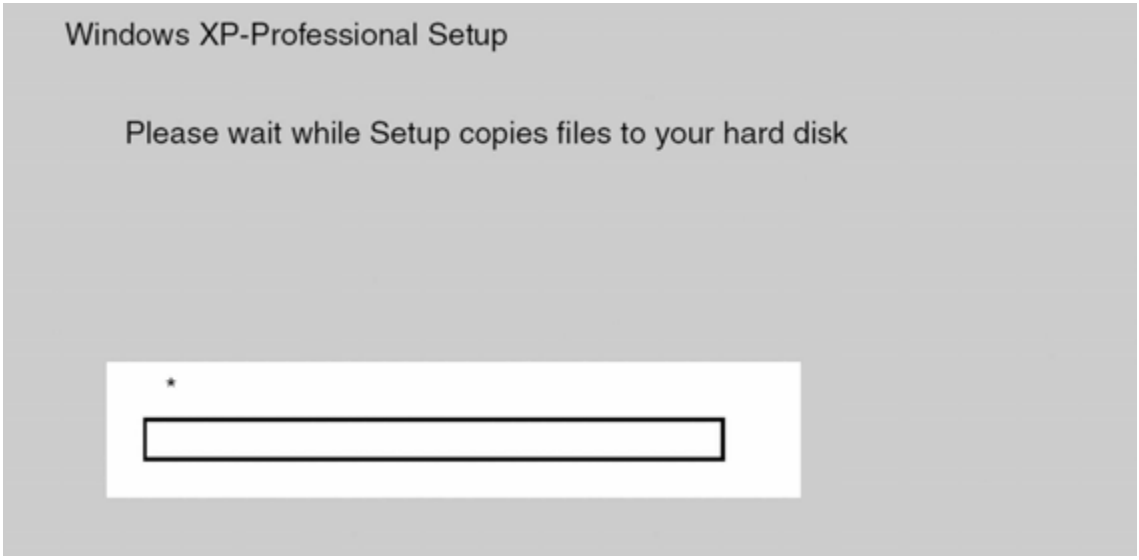

Fig. 6:

* Information is displayed.

NOTE

Various information is displayed on screen; any system requests to "confirm with OK" must be ignored.

➪ The imaging system software installation continues (approx. 10 minutes). A reboot is subsequently performed automatically and the BIOS settings are updated.

➪ The CD-ROM drive opens automatically, and the message “BIOS installation done - HIPAA installed” is displayed.

- Remove the “BIOS update CD” and close the CD-ROM drive.
- Perform a warm start by pressing [Ctrl] + [Alt] + [Del] or [Strg] + [Alt] + [Entf].

NOTE

In the case of individual systems, the following message may be displayed:

“Disk part script failed first time! Attempting an automatic retry .....”. In this case, click on “OK”.

➪ The imaging system software installation continues (approx. 55 minutes).
The Windows XP installation mask is displayed, and the items listed below are automatically processed by the system
(approx. 25 minutes).
- Installing Windows
- Finalizing installation
The time required for installation displayed by Windows is incorrect.

➪ The hard disks are formatted.

➪ Monitor settings are made.

➪ The monitors will briefly go blank.

- If a screensaver pops up, you can exit by moving the mouse.

NOTE

No manual intervention by the CSE is allowed until the monitor shows the following window with the prompt "Press any key to continue".

➪ The Windows XP interface and the
“Siemens Medical Solutions ASPIA ..... installation” window are displayed.

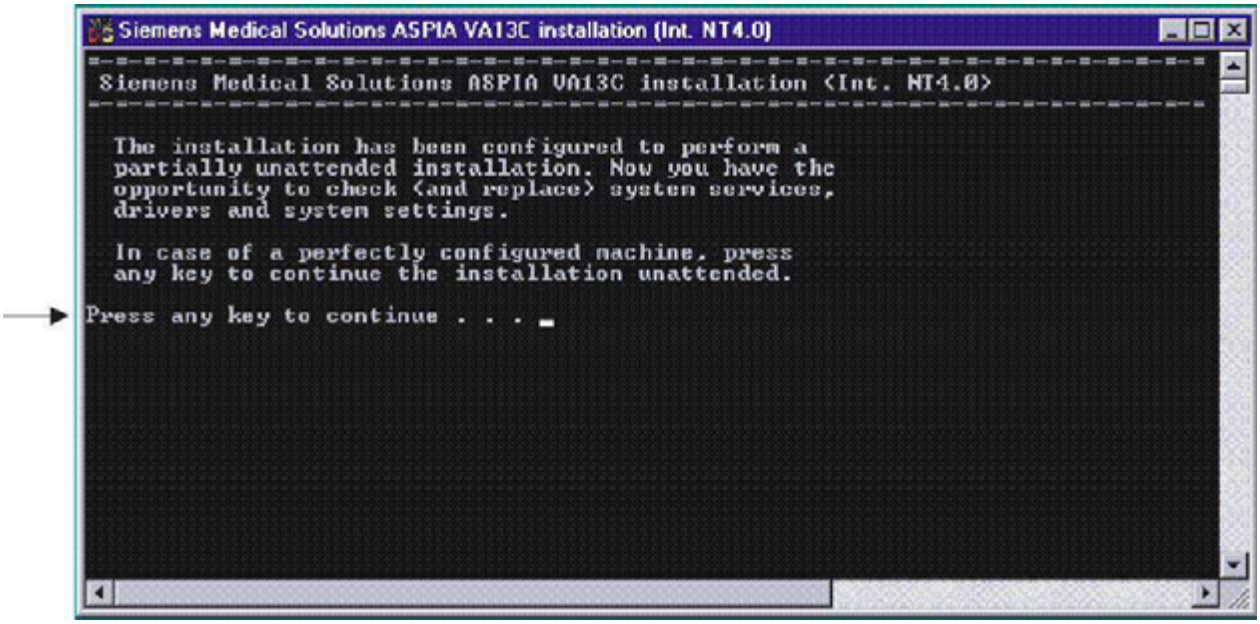

Fig. 7:

- Press the "Enter" key.

Installation CD 2

- Insert imaging system installation CD 2 into the CD-ROM drive.

- Wait until the green LED of the CD-ROM drive illuminates.
- Click "Enter".
  - The system continues installation (approx. 5 minutes).
    - ➪ The following question is displayed:
      “Are there more CDs containing packages?”
- Remove the CD from the CD-ROM drive.
- Press the “N” key.
  - ➪ Installation continues.
  - ➪ The imaging system will perform several “restarts”.
  - ➪ The following mask appears:
    “Siemens medical Solutions ASPIA ..... installation".
  - ➪ Installation continues (approx. 35 minutes).

NOTE **No manual intervention is allowed until the monitor shows the following window.**

- ➪ The following window is displayed:

Fig. 8: Starting the Local Service Configuration

Backup available

Restore

- Select “Click here to start the local service configuration”.
- Click “Yes” when the following question is displayed:

  “Internet Explorer is not currently your default browser. Would you like to make it your default browser?”
- Enter the service key in the displayed syngo screen.
- Select “Set as default”.
- Confirm with “OK”.
- As described in the “Backup & Restore” chapter, restore the following points to the extent possible.
  - SW settings 02
  - ASPIA settings
  - Exam set
  - 3D settings (optional)
  - Security settings (optional)

NOTE

After performing a restore operation, the system restarts.

The exchange database is created

(approx. 20 minutes).

The system may not be switched off while the exchange database is being created.

➪ A window with the following text is displayed:
Warning: database creation in progress. This will last a long time. Wait until the patient registration dialog is open! Press OK to close this message box!

- If the patient registration dialog is displayed, close the open window by clicking on “OK”.

Static route

- If available, enter the previously read out static route for SRS (Siemens Remote Service).
  - The command is: route add xxx.xxx.xxx.xxx mask xxx.xxx.xxx.xxx yyy.yyy.yyy.yyy -p
    x = IP and netmask from the SRS Server, y=SRS Router IP address
    Follow the instructions in the "Installation of Siemens Remote Services" document.

Country-specific keyboard layout and user interface

- Select “Configuration” under Options on the task card.
- Double-click “Regional and language options”.
- Select “Regional options”.
- Select the language under “Standards and formats”.
  - The following languages can be selected: German (Germany), French (France), Spanish (Spain) and English (United States)
- Select “Languages”.
- Click “Detail”.
  - This is where the keyboard language is set.
- Select the “Add” button under “Installed services”.
  ➪ The following is displayed: “Add input language”
- Select the desired language.
  - The following languages can be selected for the keyboard: German (Germany) or English (United States).
- Click “OK”.
  ➪ The keyboard language is displayed.
- Select the desired language under “Default input language” in the drop-down menu.
- Click "Apply".
- Click “OK”.
- Click “OK”.
  ➪ The following is displayed:
  The “regional settings" have been changed.
  Therefore a restart of the application is necessary.
  Do you want to restart the application now?
- Click “OK”.
  - This will apply the settings.
  - The system restarts automatically if the settings are modified.

Text editor

- Select “Options” in the task card

- Select “Configuration”.
- Double-click on“Image text editor”.
- Select “XAImage” under ”View name”.
- Deselect “Software version” by clicking on “V”.
- Click on “Apply“.
- Select “ARCADISAcqView” under ”View name”.
- Select “Customized text”.
- Deselect “Scale bar” by clicking on “V”.
- Deselect “Orientation labels” by clicking on “V”.
- Deselect “Image date” by clicking on “V”.
- Deselect “Image time” by clicking on “V”.
- Deselect “Image number” by clicking on “V”.
- Click on “Apply“.
- Click “OK”.
- Close the “Configuration panel”.

Help/Documentation

The "Quick Reference Guide" is imported here.

Open the service software

- Under Options, select "Service".
- Select "Local service".
- Enter the service key under "Please enter password".
- Select "Set as default”.
- Click "OK".
  - The service home menu is displayed.
- Select "Configuration".
- Click "Next".
- Select "Help update".

Reference guide

- Place the "Quick Reference Guide" CD in the CD drive.
- Select the drive under "Drive".
- Select the path under "Directory and file".
- Click "Save".
- Remove the CD and close the CD tray
- Close the service software

No backup available

- Select “Click here to start the local service configuration”.
- Enter the service key in the displayed syngo screen.
- Select “Set as default”.
- Confirm with “OK”.
- Click “Configuration”.
- Click “Yes” when the following question is displayed:

  “Internet Explorer is not currently your default browser. Would you like to make it your default browser?”
- Select “Configuration”.
- Click “Next”.

  ➪ The following is displayed:
  “System type has been changed! Save new value(s)?
- Click “OK”.

  ➪ The following is displayed:
  “Initial setup not all configuration items were completed after installation”.
- Click “Next”.
- Click “Configuration”.
- Click “Next”.

  ➪ The system automatically continues with “Licensing”.

  ➪ The following is displayed:
  “The license file does not contain any features”.
- Click “OK”.
- Click “Browse”.
- Select the license file.

  - It should be available e.g. on the license CD or floppy disk.
- Click “Open”.

  - The license file path is displayed.
- Click “Import license file”.

  ➪ The following is displayed:
  “Are you sure you want to overwrite the existing license file?”
- Click “OK”.

  ➪ “License data successfully saved” is displayed.
- Click “OK”.
- Click “Save”.

Configuration

- Perform the configuration according to the “ARCADIS Varic/Configuration/System” document.

NOTE	**After configuration, the system restarts.** **The exchange database is created** **(approx. 20 minutes).** **The system may not be switched off while the exchange database is being created.**

➪ A window with the following text is displayed:
Warning: database creation in progress. This will last a long time. Wait until the patient registration dialog is open! Press OK to close this message box!

➪ The display of the patient registration dialog signifies the conclusion of the creation of the exchange database.

- Close the window with “Warning: database creation in progress ....” by clicking on“OK”.

Text editor

- Select “Options” in the task card
- Select “Configuration”.
- Double-click on“Image text editor”.
- Select “XAImage” under ”View name”.
- Deselect “Software version” by clicking on “V”.
- Click on “Apply“.
- Select “ARCADISAcqView” under ”View name”.
- Select “Customized text”.
- Deselect “Scale bar” by clicking on “V”.
- Deselect “Orientation labels” by clicking on “V”.
- Deselect “Image date” by clicking on “V”.
- Deselect “Image time” by clicking on “V”.
- Deselect “Image number” by clicking on “V”.
- Click on “Apply“.
- Click “OK”.
- Close the “Configuration panel”.

Help/Documentation

The "Quick Reference Guide" is imported here.

Open the service software

- Under Options, select "Service".
- Select "Local service".
- Enter the service key under "Please enter password".
- Select "Set as default".
- Click "OK".
  - The service home menu is displayed.
- Select "Configuration".
- Click "Next".
- Select "Help update".

Reference guide

- Place the "Quick Reference Guide" CD in the CD drive.
- Select the drive under "Drive".
- Select the path under "Directory and file".
- Click "Save".
- Remove the CD and close the CD tray
- Close the service software

Installation

Main system software installation

NOTE	**The main system software has to be installed only if a new main software version is available.**

- Open the service software.
- Select "Main system"
  - If the “Main system” button is not visible, check the connection between the monitor carriage and the main system.

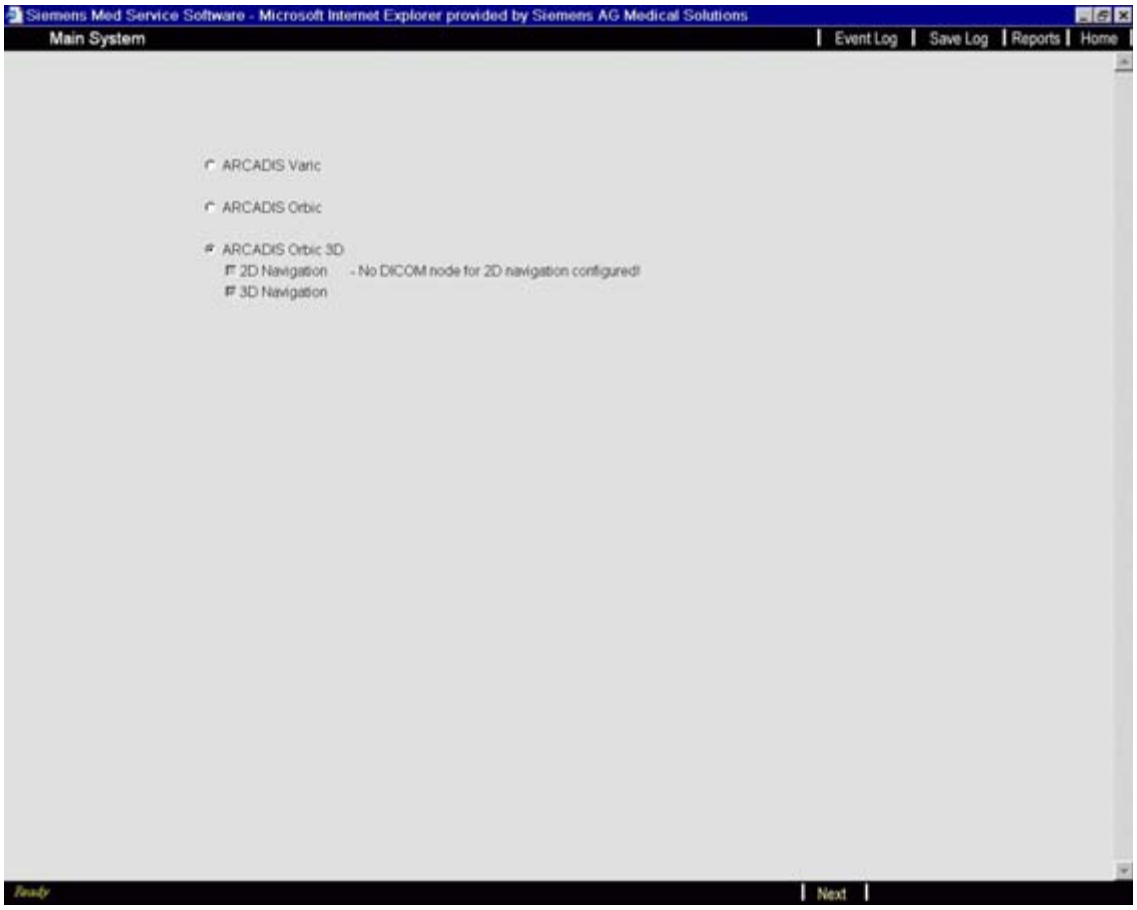

Fig. 9: ARCADIS main system

- Select the current system
- Click "Next"

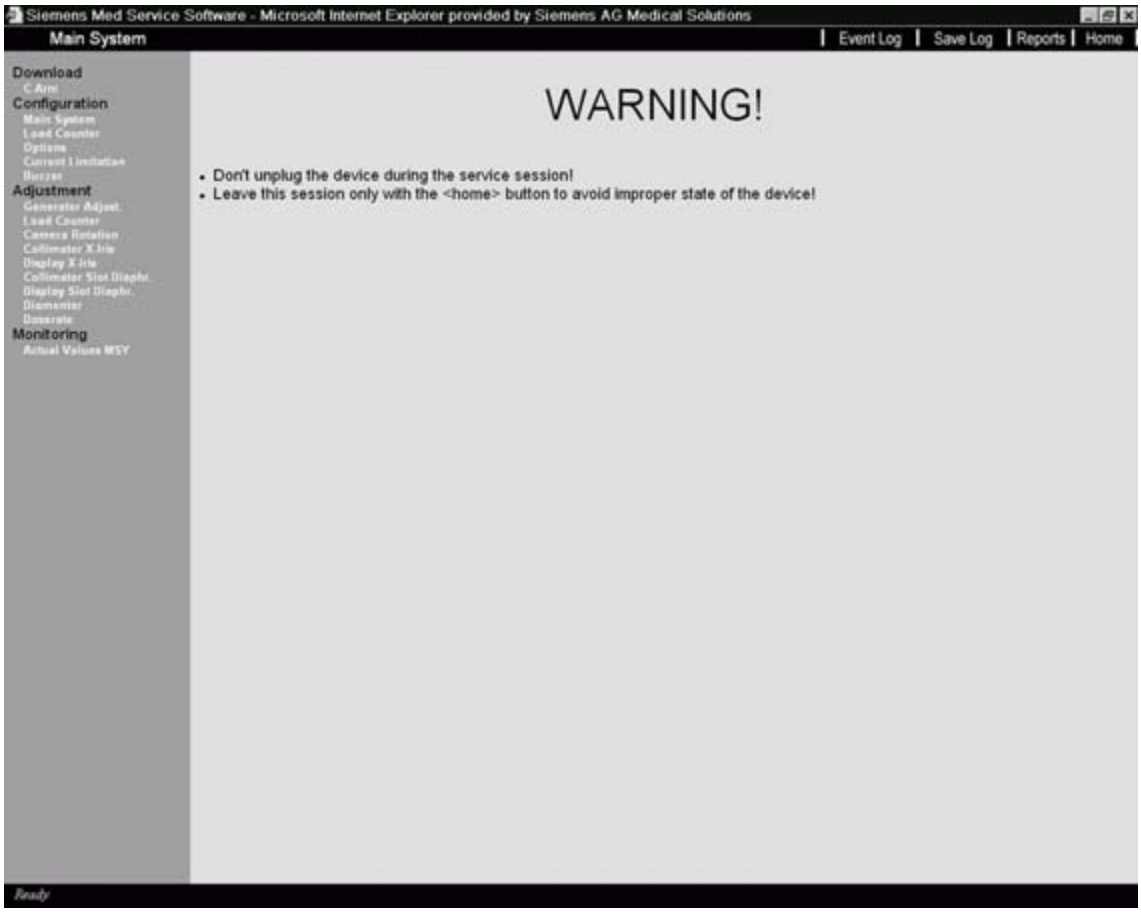

Fig. 10: Main System >> Warning!

Main system download

- Select “C-arm” under “Download”.
  - The installed programs are displayed under “Current ver.”.
  - For “Console” and “ASPIA”, no new programs can be displayed here! The display is used for information.

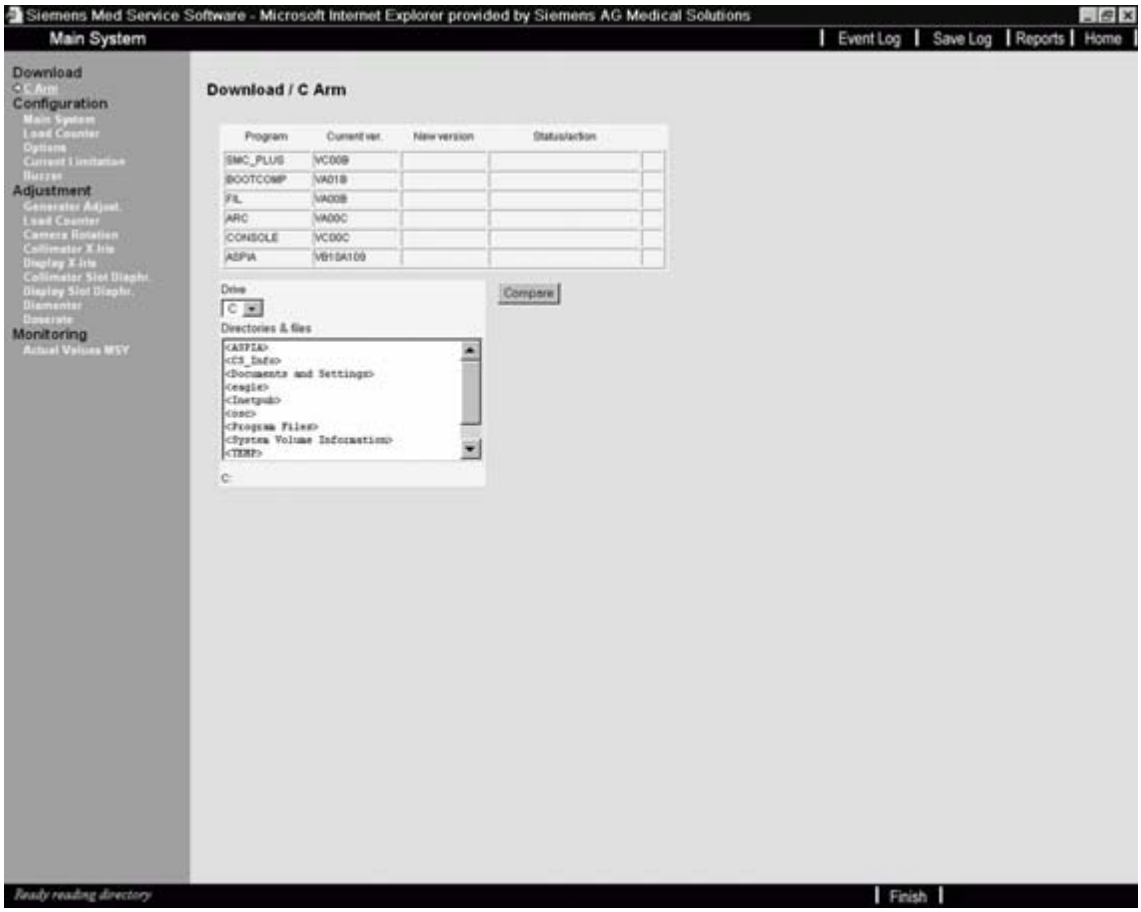

Fig. 11: Main System >> Download >> C-arm

- Insert the "main system" CD in the CD-ROM drive.
- Select the appropriate CD drive under "Drive"
- Select the "SMC_Plus" file to be checked under "Directories & files"
- Click “Compare”.
  - The file version is displayed under “New version”, and a recommended action (e.g., update necessary) is displayed under “Status/action”.
  - A checkmark appears automatically in the last column, if this program has to be installed again.

    Click the checkmark to remove it.
- If "Update necessary" is displayed, click "Download"
  - Only one program should be selected. Otherwise, installation problems may occur.
- Repeat the procedure as described above for the "FIL" and "ARC" files
  - After download is complete, the system automatically resets the main system.
- Click “Finish”.
- Remove the CD from the CD-ROM drive

NOTE

It is not necessary to perform a restore operation or make any adjustments after a main system software installation. The parameters are stored in EE Prom.

A restore is required only if D1 of the main system has been replaced.

Test images

NOTE	**Test images are automatically loaded during installation.**
NOTE	**The “service patient” and corresponding images will be shown only when the “Service home menu” is open.**

General

NOTE

This point is only important when a local printer is connected to the system.

NOTE

Local printer, PostScript printer

These printer types are not approved for diagnostic purposes.

Notify the responsible personnel about this limitation.

Codonics printer installation via LPT 1

NOTE	**The procedure depends on whether the printer was connected during imaging system software installation.**

Printer driver installation

- The driver is installed automatically and no further installation is necessary.

Default printer setup

- Select "Filming card".
- Select the “Film task status” button.
  - A printer and a ? are shown here.
- Select the installed printer.
- Select “Printer”.
- Select “Set as default printer”.
- Close the window.
- Select “Camera”.
- Select “8x10” under “Film size”.

Printer test

- Switch on printer.
- Wait until printer displays “Ready”.
- For test purposes, print an image as well as a “radiation summary report“.
  - The radiation summary report is generated for each patient and can be found in the Patient Browser.
  -
  -

NOTE	**This completes installation of the Codonics printer.**

Sony printer installation via USB

NOTE **The Sony printer may not be connected to the PC during imaging system software installation.**

NOTE **Install the Sony printer in accordance with “ARCADIS Varic/Orbic Paper Printer Installation SPR2-310.814.03.xx.xx”.**

NOTE **A backup must be created following software installation, every software update, and every system adjustment.**

- Create a backup as described below

Service software

Open the service software

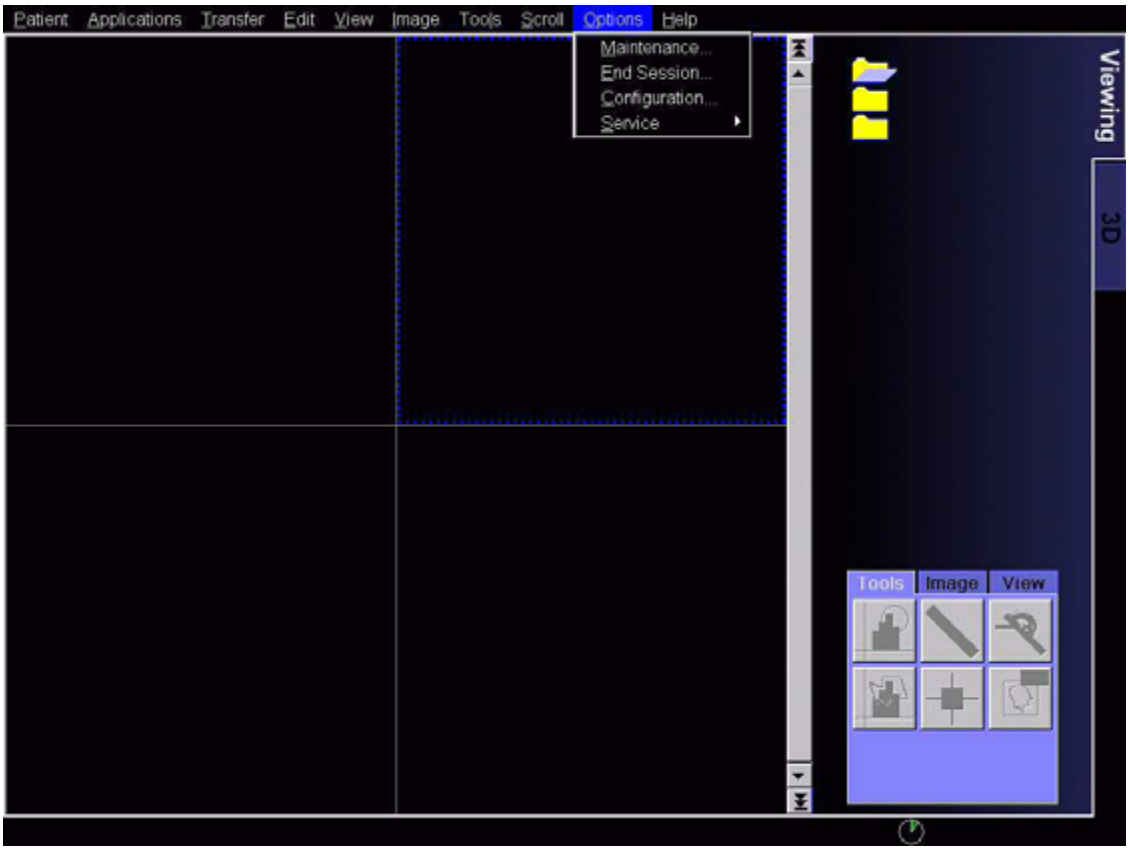

Fig. 12: C06_5_01

- Select "Service" under “Options”.

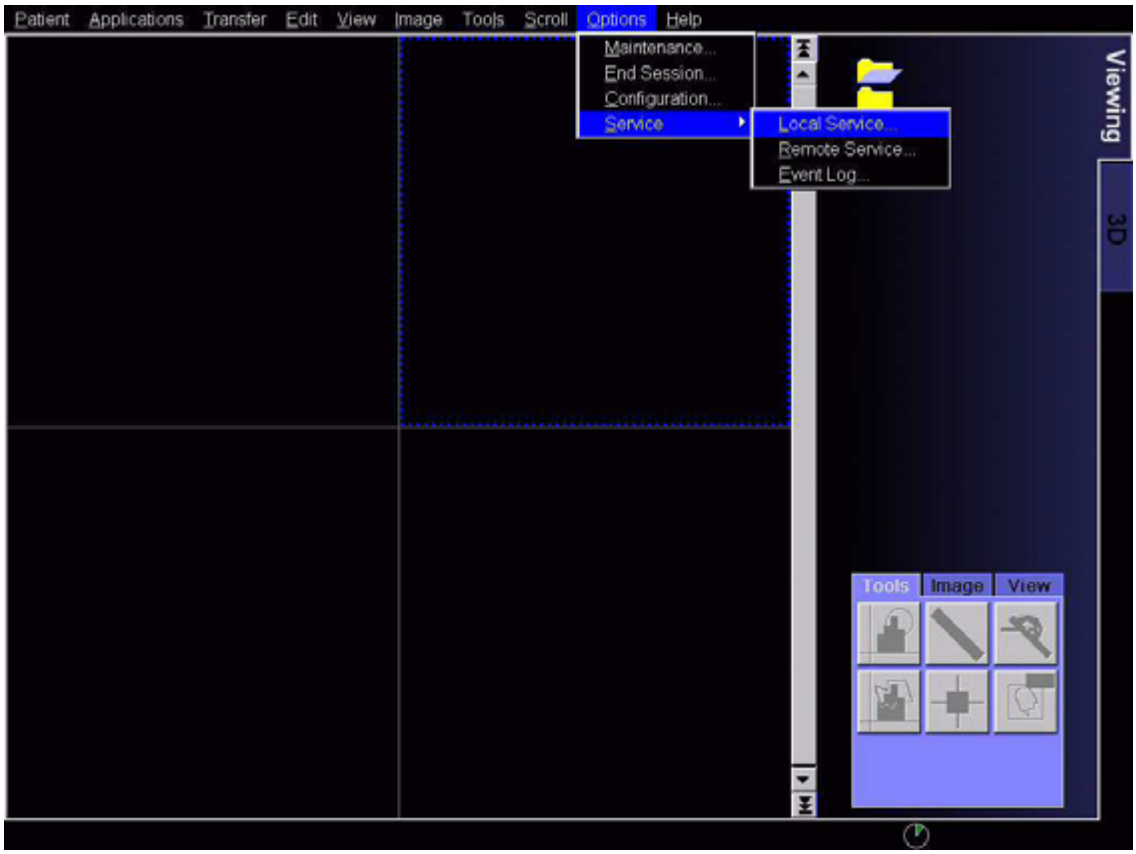

Fig. 13: C06_5_02

- Select "Local service"

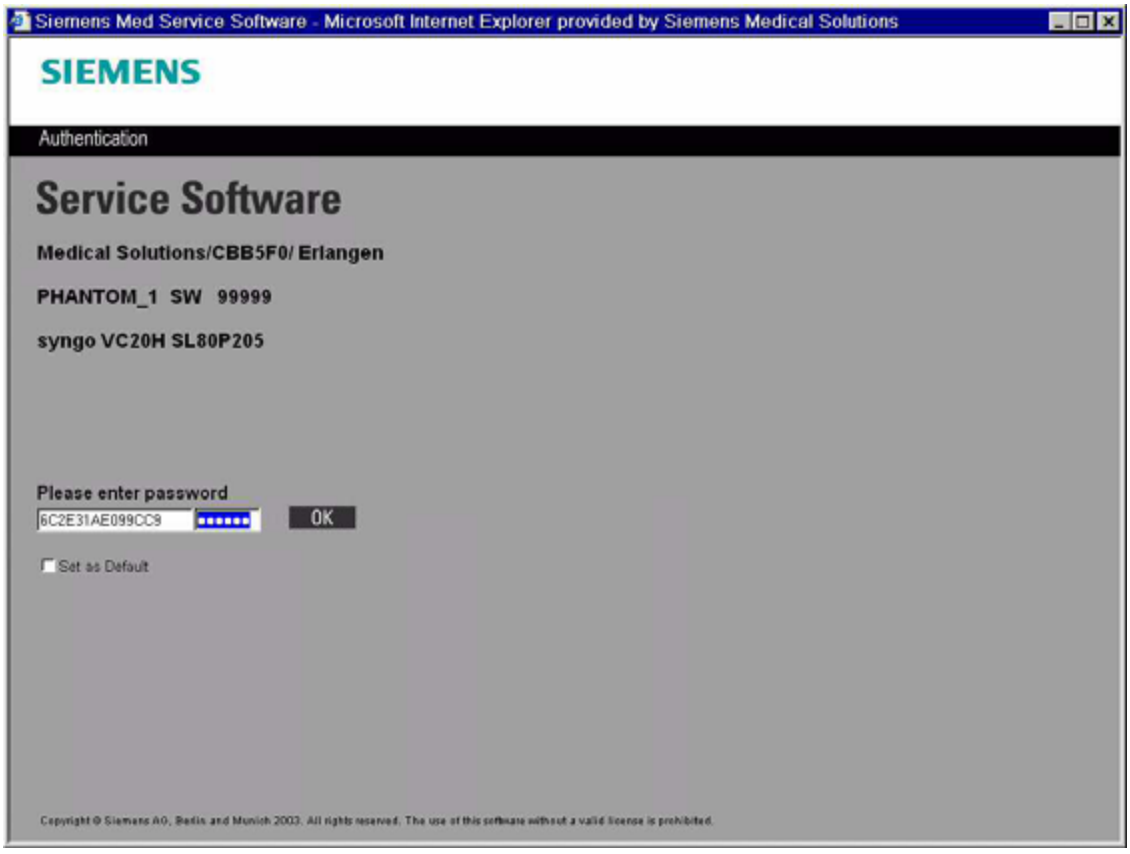

Fig. 14: C06_5_03

- Enter the service key under "Please enter password".
- Select "Set as default".
- Confirm with "OK".
  - ➪ The “Home menu” is displayed.

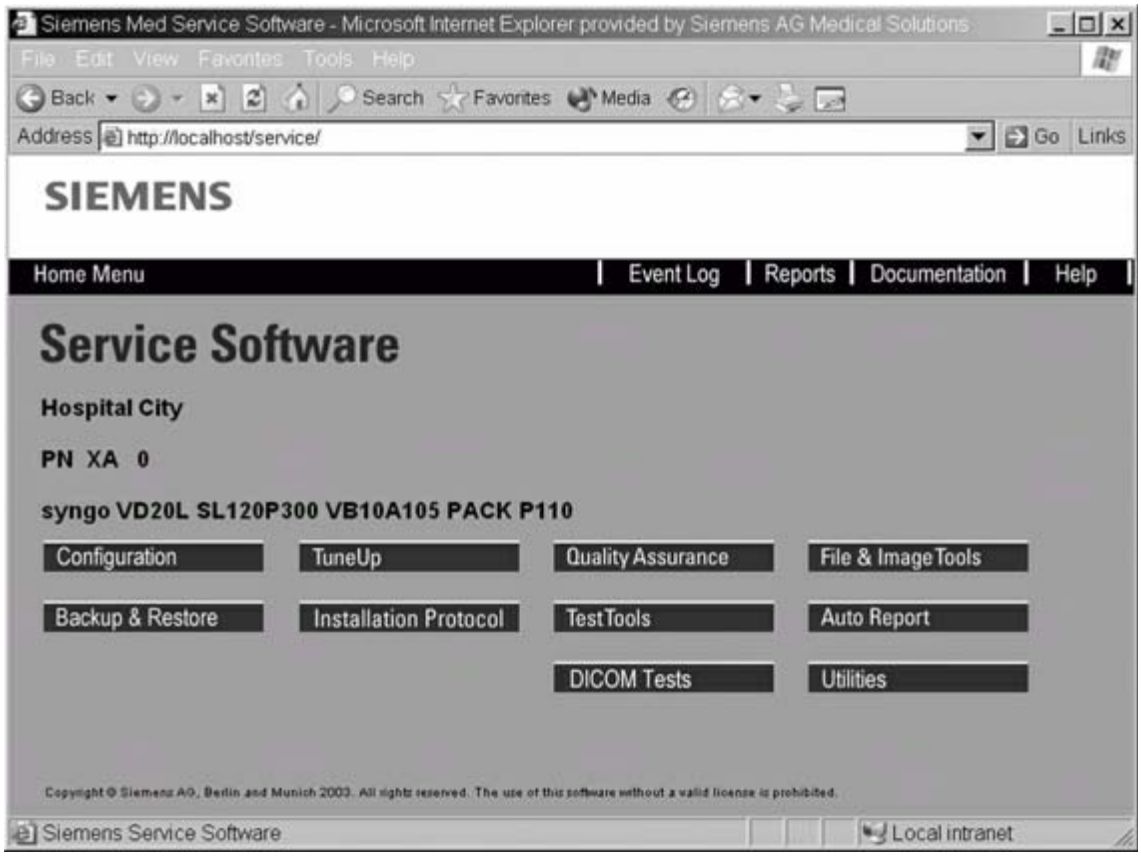

Fig. 15: Home Menu

Backup

NOTE	**A backup must be created after software installation, software update or system adaptation.**

NOTE	**After a backup group has been successfully burned to CD, the following message is displayed:** **”Please insert medium in CD-RW in order to continue.”** **Confirm this message with “OK”. This does not require a new CD.**

Backup

- Select "Backup & Restore" in the “Service software home menu”
- Insert the backup CD into the CD-ROM drive.

Fig. 16: Backup & Restore >> Command

- Under “Command”, select "Backup”.

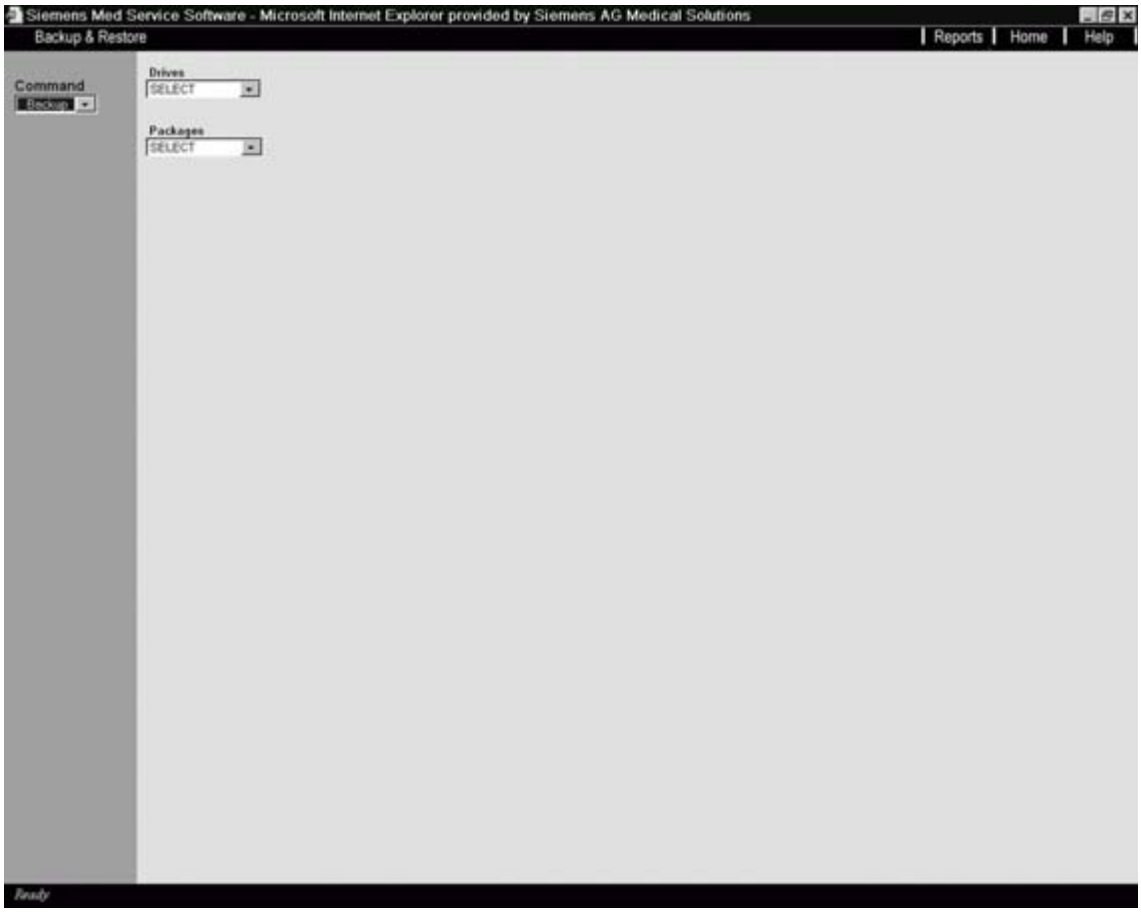

Fig. 17: Backup & Restore >> Command >> Backup

- Select the appropriate drive under “Drives”.
  - Save to CD-ROM (standard save).

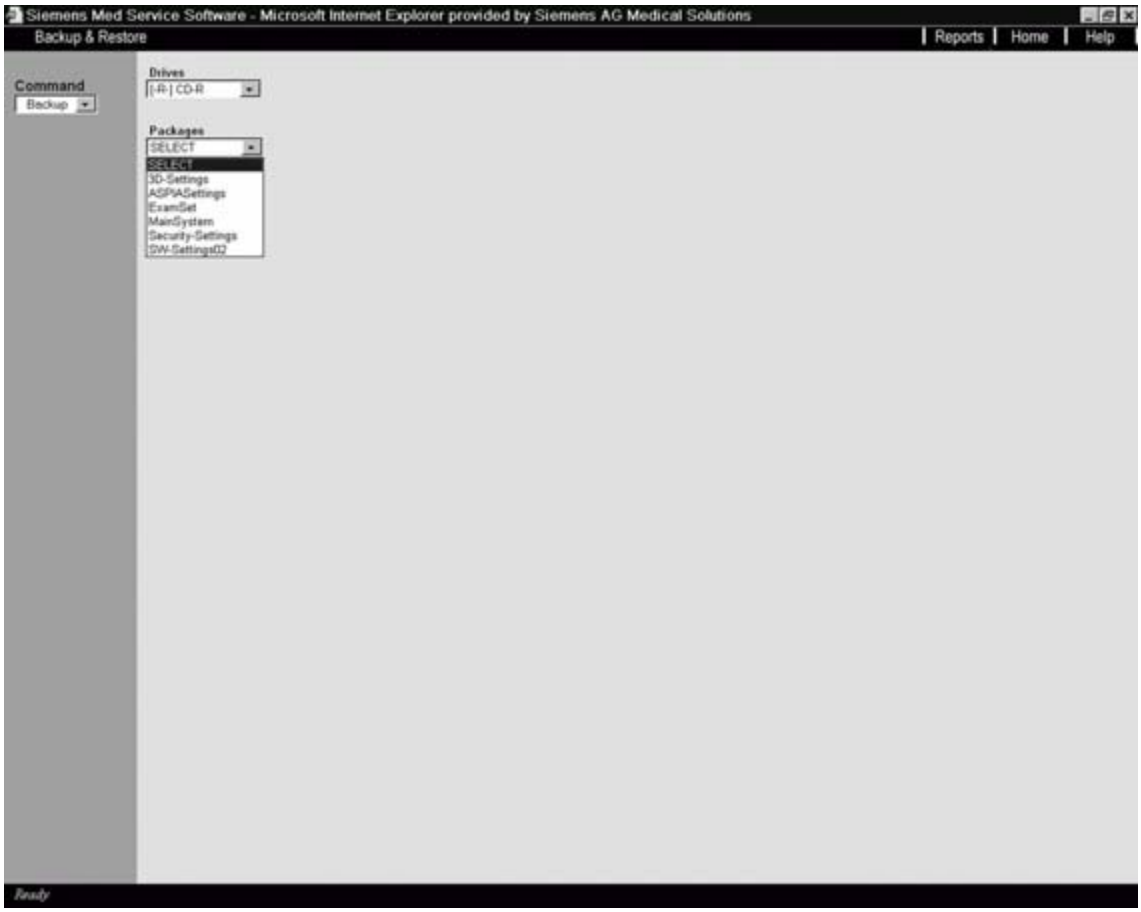

Fig. 18: Backup & Restore >> Command >> Backup >> Packages

SW settings02

- Select “SW-Settings02” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

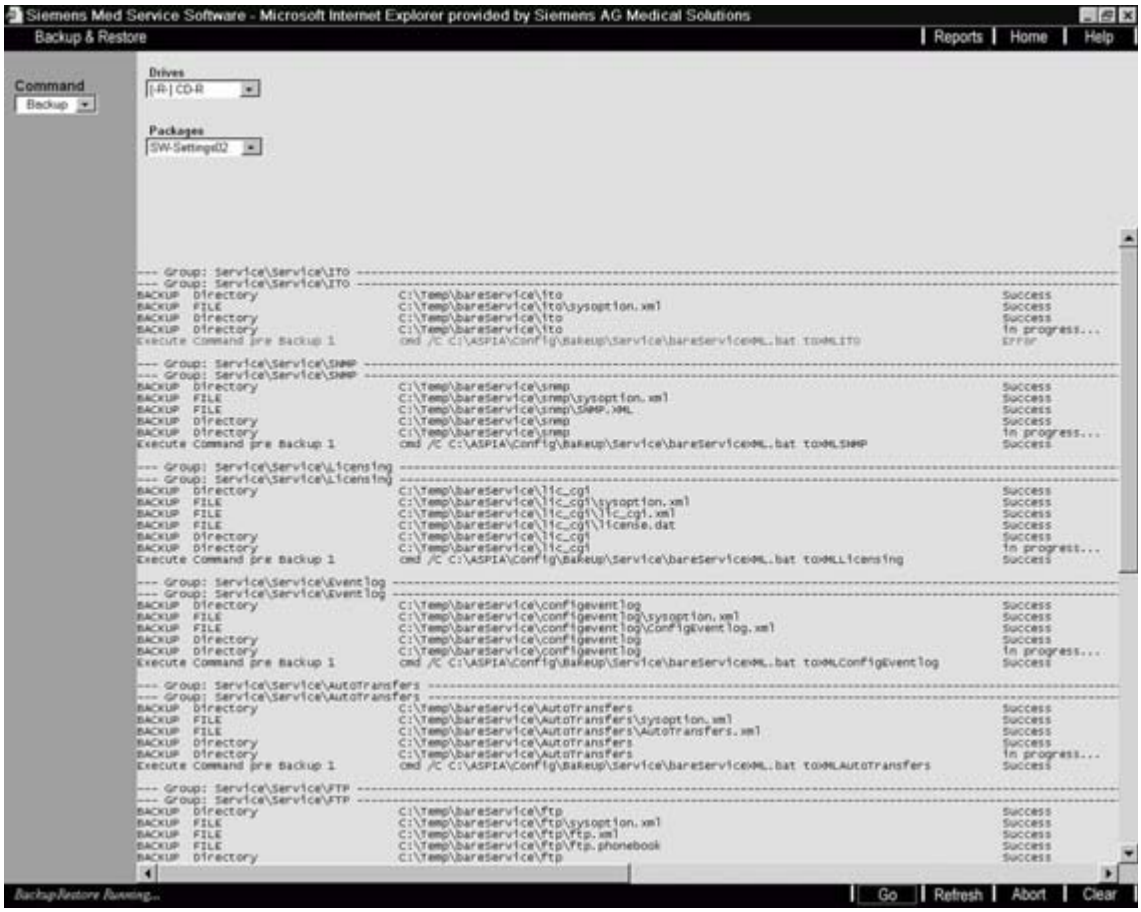

Fig. 19: Backup & Restore >> Command >> Backup >> SW-Settings02

ASPIA settings

- Select “ASPIASettings” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

Exam set

- Select “ExamSet” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

3D settings for systems with a 3D option

- Select “3D-Settings” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer

- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

Security settings for systems with HIPAA configuration

- Select “Security-Settings” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

Mai system

- Select “MainSystem” under Packages.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
- Click on “OK” when the following message is displayed ”Please insert medium in CD-RW in order to continue”.

Exiting backup

- Close the window via “Home”.
- Remove the backup CD-ROM.
- Store the CD-ROM with the system documents.

NOTE

It is not possible to back up the database (patient images)!

Save the patient images to the archive.

Saving to CD-ROM as a long-term archive is prohibited.

Restore

NOTE

Generally backups from one system cannot be imported to another system.

Exceptions are “user-defined exam sets” and

the security settings if HIPAA was configured on the system.

NOTE

It must be ensured that the "computer name" used on the system is identical to the one used at the time of the creation of the backup.

If this is not the case, proceed as described under “Computer name”.

NOTE

Follow this sequence for the individual restore groups:

1. "SW-Settings02”

2. “ASPIA settings”

3. “Exam sets”

4. “3D settings”

5. “Security settings”

6. “Main system”

Individual groups can also be imported.

However, you must adhere to the sequence above.

For example:

1. “ASPIA settings”

2. “3D settings”

NOTE

The Examination Set Editor may not be opened.

Computer name

NOTE	**This point is only to be performed when a computer name other than the one on the backup is being used.**

- Under ”Configuration/Local host/TCP IP LAN“ in the service software, enter the ”computer name” used for the backup and restart the system.

  ➪ No the restore can be performed as described.

NOTE	**The computer name can be changed again after the restore. Subsequently create a new backup.**

Selecting the storage medium

- Select "Backup & Restore" in the “Service software home menu”
- Insert the backup CD into the CD-ROM drive.

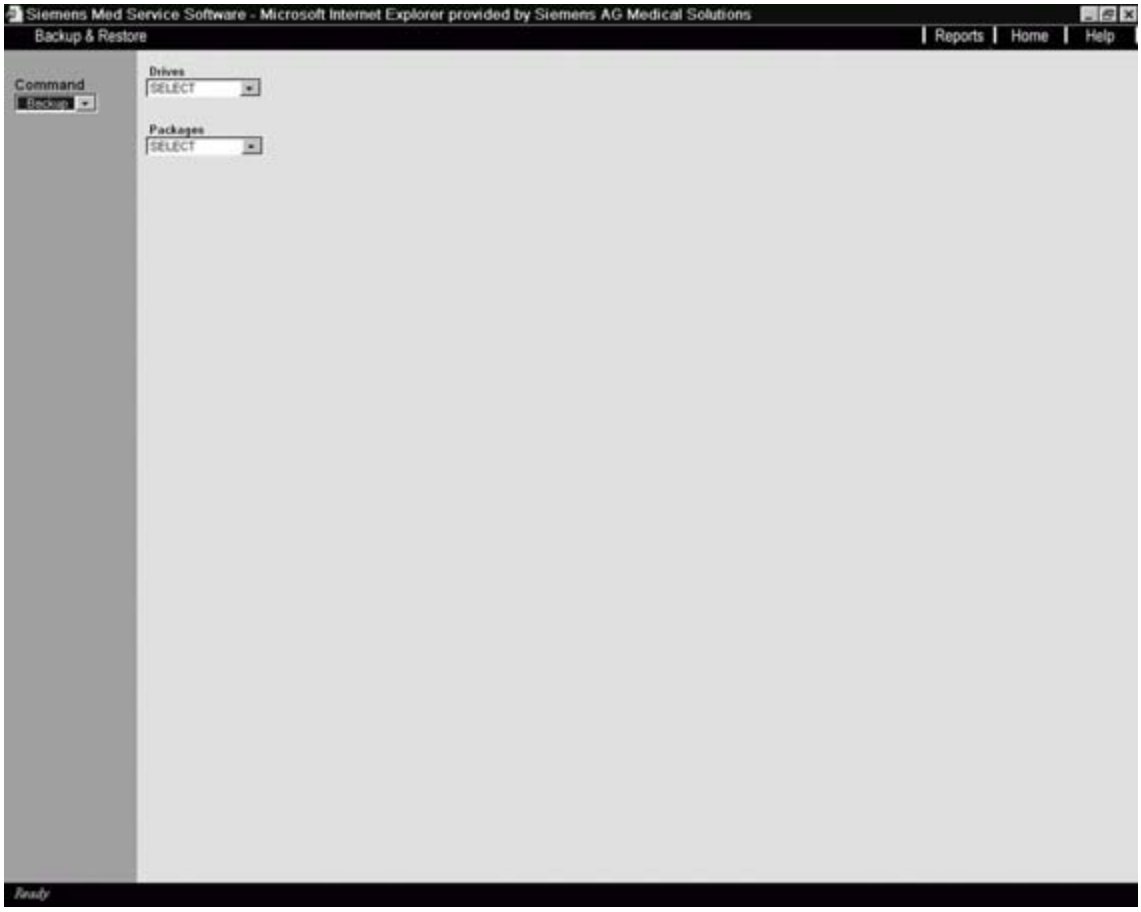

Fig. 20: Backup & Restore >> Command >> Backup

- Under “Command”, select "Restore”.

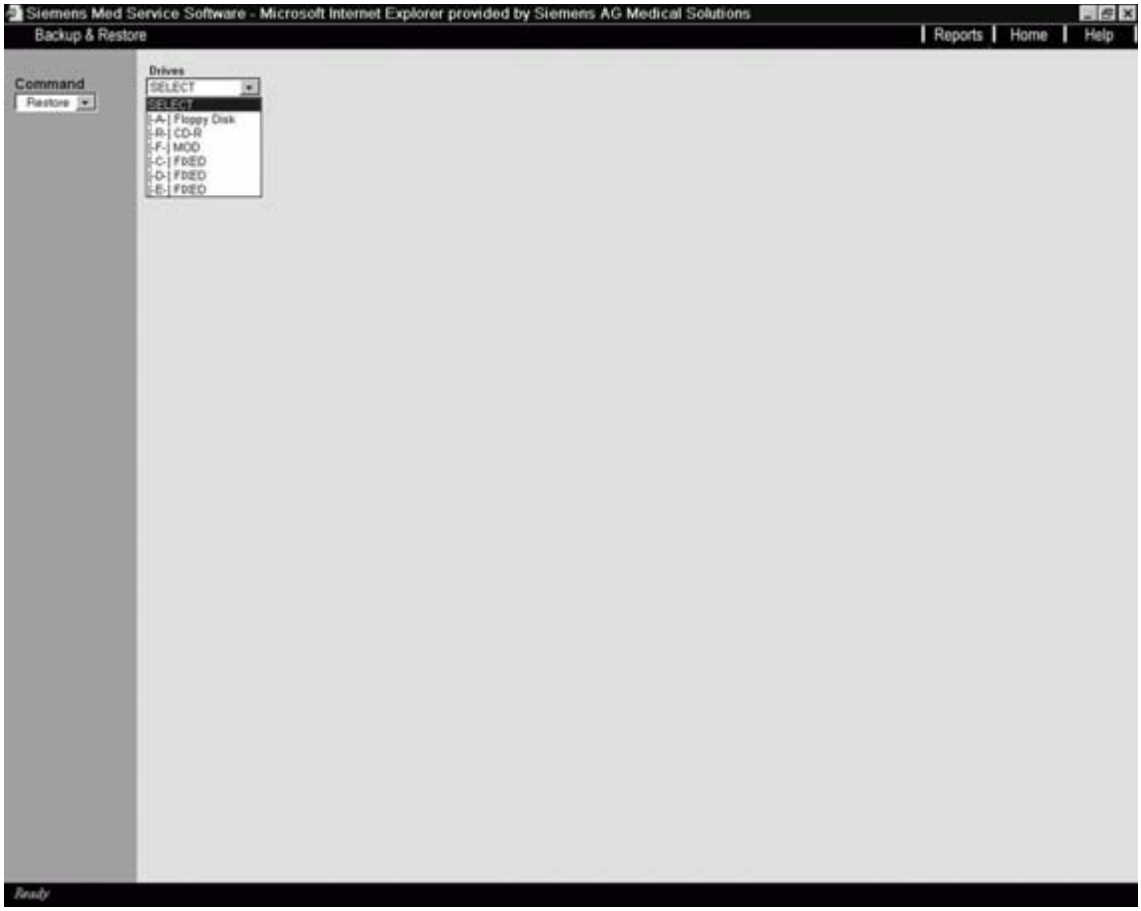

Fig. 21: Backup & Restore >> Command >> Restore >> Drives

- Select the appropriate storage medium under “Drives”.

SW settings02

Fig. 22: Backup & Restore >> Command >> Restore >> Archive

- Under Archive, select the correct (newest) backup file of “SW-Settings02”.

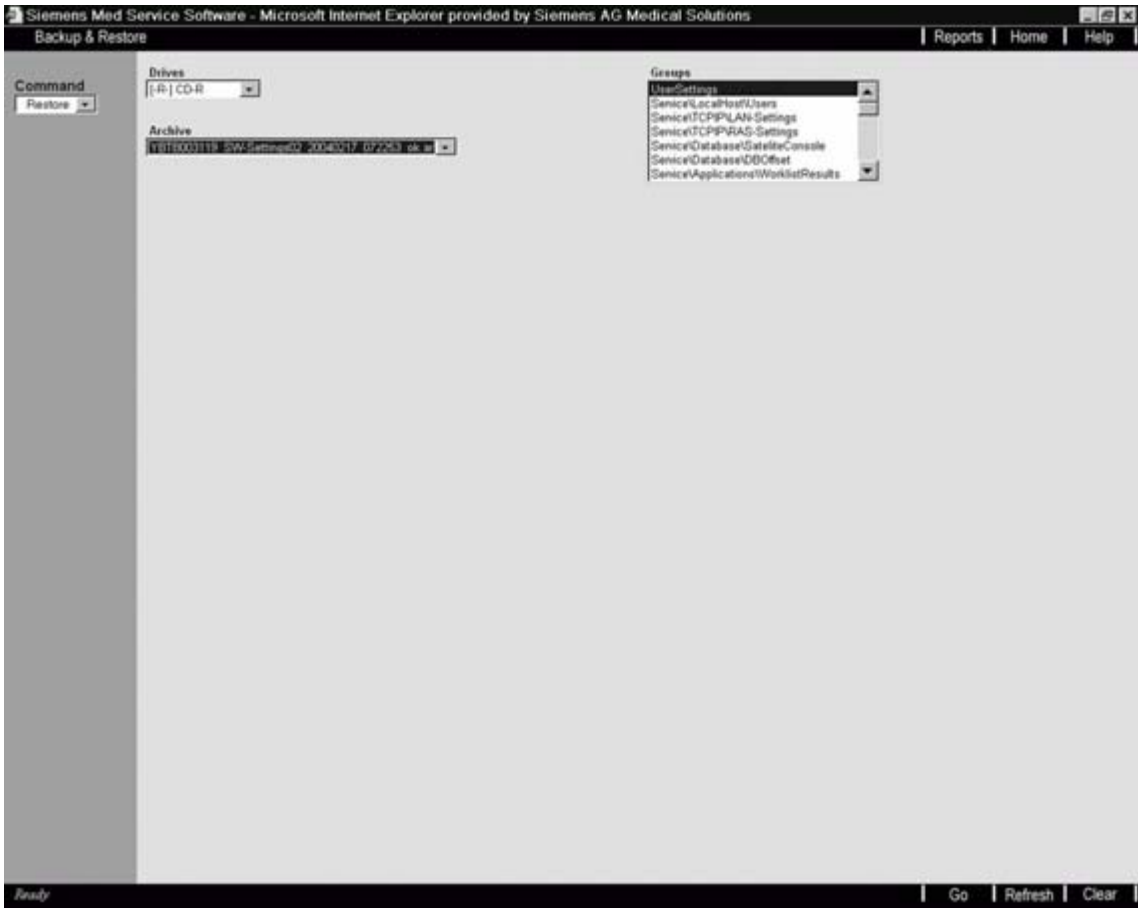

Fig. 23: Backup & Restore >> Command >> Restore >> Groups

- Highlight all the files in “Groups”.
  - e.g., by pressing the “Ctrl” key and clicking the individual groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer.
  - This might take a few minutes.

ASPIA settings

- Under Archive, select the correct (newest) backup file of “ASPIASettings”.
- Highlight all the files in “Groups”.
  - e.g., by pressing the “Ctrl” key and clicking the individual groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer.
  - This might take a few minutes.

Exam set

There are four ways of importing exam sets.

NOTE

To ensure proper importing of the examination sets, the examination set editor must be closed.

NOTE

Version 1 and version 2 show the procedure to be used in normal cases.

Versions 3 and 4 are only to be performed when instructed by the head quarter.

Version 1: Importing or updating complete user-defined exam sets

- Under Archive, select the correct (newest) backup file of “ExamSet”.
- Highlight "User-defined exam sets" under "Groups".
- Click “Go”.
- Click "Select all".
  - All exam sets are selected.
- Select “Import”.
  - This displays the exam sets under “Installed exam sets”.
  - If the exam set already exists under "Installed exam sets”, [update] is displayed before the exam set.
  - If the exam set does not exist already under "Installed exam sets”, [insert] is displayed before the exam set.

    ➪ The following image is displayed:

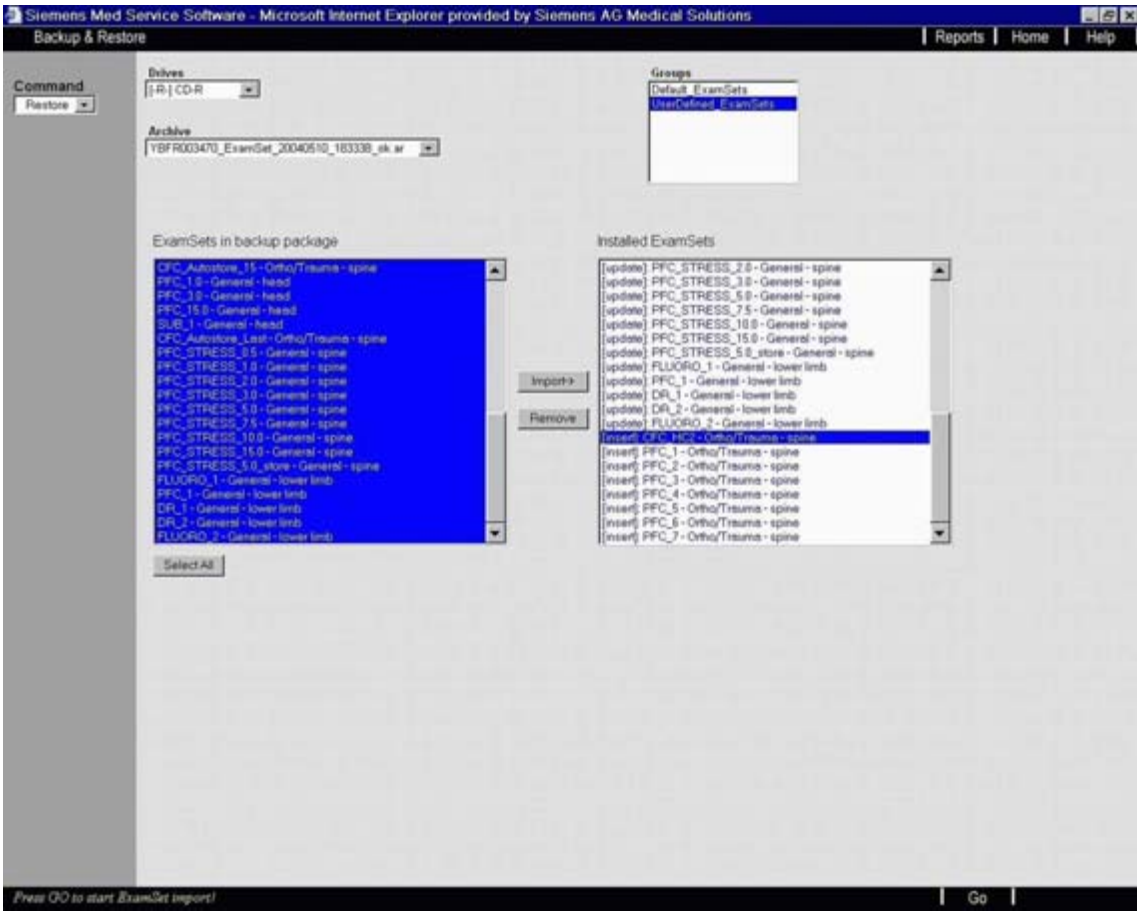

Fig. 24: Restore >> ExamSet >> UserDefinedExamSets2

- Click “Go”.
  - This imports all exam sets.
  - Wait until the message “Ready” is displayed in the footer.

Version 2: Importing or updating individual user-defined exam sets

- Under "Archive", select the correct (newest) "Exam set" backup file.
- Highlight "User-defined exam sets" under "Groups".
- Click "Go".
- Click the exam set to be imported.
- Select "Import".
  - This displays the selected exam set under "Installed exam sets".
  - If the exam set already exists under "Installed exam sets”, [update] is displayed before the exam set.
  - If the exam set does not exist already under "Installed exam sets”, [insert] is displayed before the exam set.

- Click "Go".
  - This imports the exam set.
  - Wait until "Ready" is displayed in the footer.

Version 3: Importing default and user-defined exam sets completely and all together

NOTE	**This is only to be performed when instructed by the head quarter.**

- Under Archive, select the correct (newest) backup file of “ExamSet”.

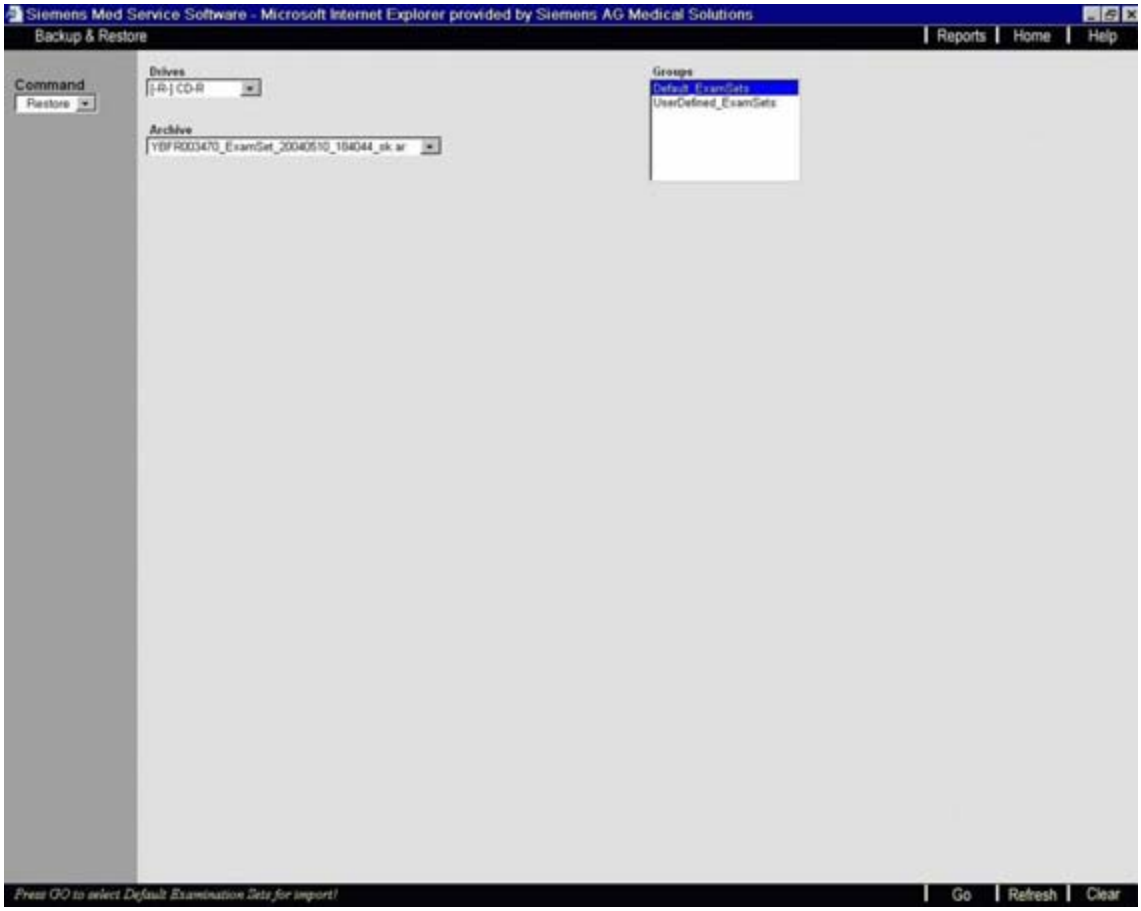

Fig. 25: Restore >> ExamSet (both)

- Highlight the default exam sets and user-defined exam sets under “Groups”,
  - E.g., hold down the "Ctrl” key and click both groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
  - This might take a few minutes.

Version 4: Importing or updating individual default exam sets

NOTE	**This is only to be performed when instructed by the head quarter.**

- Under Archive, select the correct (newest) backup file of “ExamSet”.
- Highlight the default exam sets under “Groups”
- Click “Go”.
  - ➪ The following image is displayed:

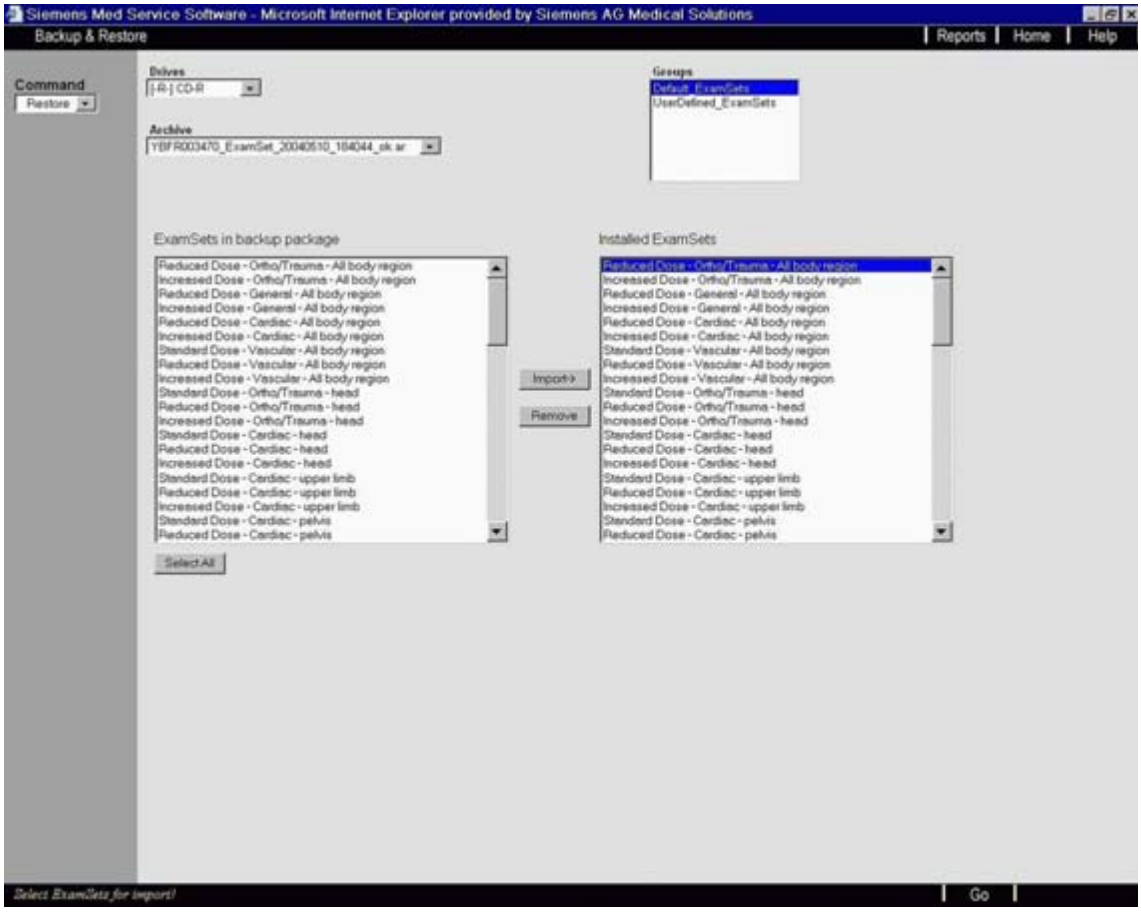

Fig. 26: Restore >> ExamSet >> DefaultExamSets1

- You can select exam sets individually in “Exam sets in backup package”, or you can select all exam sets by clicking “Select all”.
- Select “Import”.
  - This displays the exam sets under “Installed exam sets”.
  - If the exam set already exists under "Installed exam sets”, [update] is displayed before the exam set.
  - If the exam set does not already exist under "Installed exam sets”, [insert] is displayed before the exam set.
- Click "Remove” to deselect the [update] or [insert] settings shown under "Installed exam sets”.

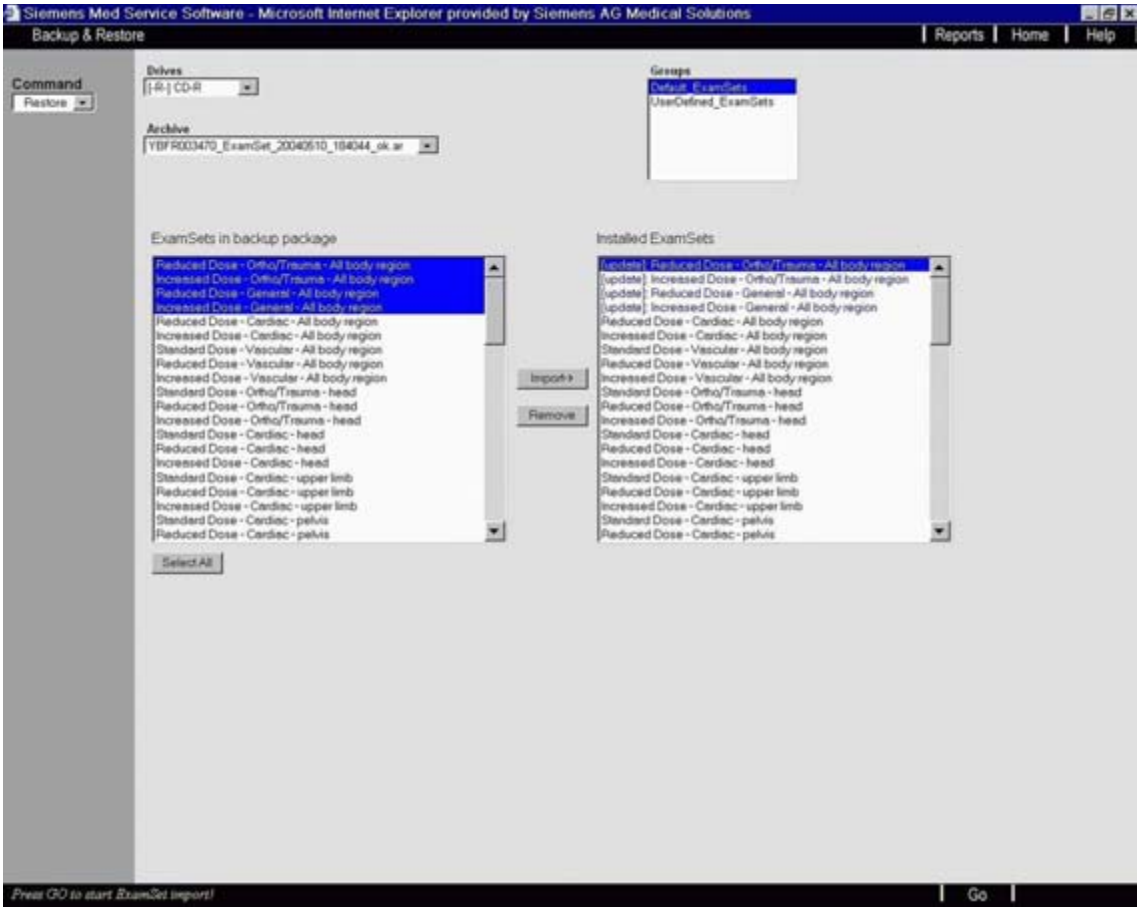

Fig. 27: Restore >> ExamSet >> DefaultExamSets2

- Click “Go”.
  - This imports the selected exam sets.
  - Wait until the message “Ready” is displayed in the footer.

3D settings for systems with a 3D option

- Under Archive, select the correct (newest) backup file of “3D-Settings”.
- Highlight all the files in “Groups”.
  - e.g., by pressing the “Ctrl” key and clicking the individual groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
  - This might take a few minutes.

Security settings for systems with HIPAA configuration

NOTE

Once the security setting is imported, it can no longer be deactivated within the configuration.

In order to perform changes after importing settings, a complete reinstallation of imaging system the software is necessary.

- Under "Archive", select the correct (newest) "Security settings" backup file.
- Highlight all the files in "Groups".
  - e.g., by pressing the “Ctrl” key and clicking the individual groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer
  - This might take a few minutes.

Main system

NOTE

A restore operation is only necessary when printed circuit board D1 in the main system was replaced or the parameters are to be overwritten.

It is not necessary to perform a restore operation or make any adjustments after an imaging system software installation or a main system software installation. The parameters are stored in EE Prom.

- Under Archive, select the correct (newest) backup file of “MainSystem”.
- Highlight all the files in “Groups”.
  - e.g., by pressing the “Ctrl” key and clicking the individual groups.
- Click “Go”.
  - Wait until the “Ready” message is displayed in the footer.
  - This might take a few minutes.

Transferring the restore data

- Close the window via “Home”.
- Remove the backup CD-ROM.
- Store the CD-ROM with the system documents.
- Switch the system off completely. If this does not switch off the imaging system PC, switch it off using the BIOS reset button (under the keyboard).
- Switch on the system again

NOTE

The exchange database is created.

(Takes approx. 20 minutes).

The system should not be switched off while the exchange database is being created.

➪ A window with the following text is displayed:
"Warning: database creation in progress. This will last a long time. Wait until the patient registration dialog is open! Press OK to close this message box!"

System message

The following system messages are possible.

- Click "OK" when the following system message is displayed: “The version of ASPIA and the version of the main system are not compatible. Please call a service technician."
- Click "OK" when the following system message is displayed: “Attention! The monitor trolley was exchanged. Impact on the image impression of the system can not be excluded. Please use the C-arm that belongs to this monitor trolley”.

NOTE

Any error messages displayed can be ignored or ended with "OK".

Activating the ASPIA settings

NOTE **The ASPIA setting data is already on the system and is activated by the following steps.**

- Open the service software.
- Select "Configuration".
- Click "Next".

Valid main system

- Select "Valid main system" if it is not displayed automatically.
- Click "Save".
- Click "Next".

Application fields

- Click "Save".
- Click "Next".

Examination set configuration

- Click "Save".
- Click "Next".

Edge enhancement filters

- Click "Save".
- Click "OK".
- Click "Next".

Windowing LUT

- Click "Save".
- Click "OK".
- Click "Next".

Logarithm LUT

- Click "Save".
- Click "OK".
- Click "Next".

Metering section file

- Click "Save".
- Click "OK".
- Click "Next".

Display settings

- Click "Save".
- Click "Next".

Subtraction parameters

- Click "Save".
- Click ">".
- Click "Save".
- Click "Next".

Power-off parameters

- Click "Save".
- Click "Next".

Brightness control

- Click "Save".
- Click "Next".

Camera

- Click "Save".
- Click "Next".

Circle mask

- Click "Save".
- Click "Next".

- Close the service window via "Home".
- Switch the system off completely. If this does not switch off the imaging system PC, switch it off using the BIOS reset button (under the keyboard).
- Switch the system on again.

NOTE	**This completes the restore operation.**

NOTE

It is not possible to restore the database (patient images)!

Patient images can be reimported from the archiving medium via the patient browser.

Change to restore procedure.

Note added for Sony printer installation.